

FEB 04 1982

**MIDLAND DIVISION
THE DEXTER CORPORATION**31500 HAYMAN STREET, HAYWARD, CALIFORNIA 94544 • 415/471-7171
LAMINAR X-500 Polyurethanes**TOXICOLOGICAL DATA SHEETS
& HANDLING INFORMATION**

1. PRODUCT NAME: LAMINAR X-500 Gloss White 4-W-1a
2. MANUFACTURER'S NAME: Midland Division - The Dexter Corporation
3. MANUFACTURER'S ADDRESS: 31500 Hayman Street, Hayward, California 94544 415/471-7171
4. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE: Clean up all spills and leaks as soon as possible. Provide adequate ventilation and avoid open flames as products contain flammable solvents.
5. TRANSPORTATION & STORAGE REQUIREMENTS: See Article 1343, 1547, or 1675 of IATA Regulations. * Store preferably indoors between 40 - 100°F.
6. FIRST AID TREATMENT:
 - (a) SKIN CONTACT: Wash thoroughly with soap and water.
 - (b) EYE CONTACT: Wash freely with large amount of water; contact physician.
 - (c) INHALATION: Remove victim from contaminated area; contact physician.
 - (d) ANTIDOTE IN CASE OF SWALLOWING: Attempt to empty the stomach by inducing vomiting or by use of an emetic. The dried urethane films are considered non-toxic by accidental oral ingestion.
7. PHYSIOLOGICAL PROPERTIES:
 - (a) LOCAL EFFECTS UPON EYES: Mild eye irritant.
 - (b) LOCAL EFFECTS UPON SKIN: None (Solvents will remove essential skin oils and cause dryness and chapping upon repeated contact.)
 - (c) ESTIMATE OF ACUTE HAZARD BY INHALATION (volatile materials): Varying degrees of narcosis and possible systemic effects, depending upon the vapor concentration, length of exposure, and specific solvents involved. (See National Safety Council recommendations for toxicity evaluations).
 - (d) WARNING PROPERTIES (odor: irritation to eyes, nose, or throat): Same as other solvent-containing organic coatings.

CHEMICAL & PHYSICAL PROPERTIES:

- (a) SPECIFIC GRAVITY: 1.23 (Resin Component)
0.995 (Hardener Component)
- (b) VAPOR DENSITY: Not determined
- (c) VAPOR PRESSURE: Not determined
- (d) PH: Not determined
- (e) CORROSIVE ACTION IN AIRCRAFT, SUCH AS:
1. ALUMINUM: None
 2. MAGNESIUM: None
 3. PLEXIGLASS: None
 4. RUBBER: None
 5. LACQUER: None
 6. ENAMELS: None
 7. FABRICS: None
- (f) Does not decompose violently when exposed to air, water, heat, or oxidizers.
- (g) COMPOSITION OF INGREDIENTS:

Resin Component

Pigment	28% by weight
Hydroxyl-bearing Resin	22%
Cellosolve Acetate	27%
Toluol	8%
Xylol	3%
Methyl Ethyl Ketone	9%

Hardener Component (Prepolymer)

Terminated Isocyanate/Prepolymer	27% by weight
Max Free TDI less than 0.05%	
Cellosolve Acetate	32%
Xylol	7%
Ethyl Acetate	34%

- (h) The mixed materials do generate heat of a low order.

PRECAUTIONS FOR NORMAL CONDITIONS OF USE: Provide adequate ventilation; avoid prolonged contact with skin; combustible (keep away from heat and open flames); wash thoroughly after handling and before eating or smoking.

RECOMMENDED PROTECTIVE EQUIPMENT WHEN HANDLING & MIXING: Safety goggles; respirator if working in area without adequate ventilation.

- (a) FLASH POINT (Tag open cup): 25° F, Both components
- (b) EXPLOSIVE LIMITS: Unknown
- (c) SUSCEPTIBILITY TO SPONTANEOUS HEATING: Unknown
- (d) FIRE POINT: Unknown
- (e) VAPOR DENSITY: Unknown
- (f) PRODUCTS FORMED IN THE EVENT OF FIRE: Carbon monoxide & dioxide, nitrogen dioxide, aldehydes, and hydrogen cyanide.
- (g) SUITABLE EXTINGUISHING AGENTS:
 - 1. Carbon dioxide
 - 2. Dry chemical, i.e., sodium bicarbonate
 - 3. Foam or vaporizing liquid type of extinguishers.
 - 4. Water (most effective when used as a fine spray or mist).